

Fax

□ Urgent

Return reply requested

Original will be sent as confirmation

To: U.S. Patent and Trademark Office

Date: December 9, 2003

Attention: Examiner K. Nguyen

Re: U.S. Application No. 09/753,664

From: Jason D Eisenberg, Esq. (

For: High Density Metal Capacitor Using Via Etched Stopping Layer as Field Dielectric in Dual-Damascene Interconnect Process

Pages (including cover sheet): 52

Our Reference: 1875.0230000

Fax No: 703-746-9179

Message

Further to our telephone conference of December 8, 2003, attached is a copy of the Supplemental Information Disclosure Statement and attachments filed on November 17, 2003.

If any portion of this transmission is not received clearly or in full, contact us at 202.371.2600 or f 202.371.2540

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Due Date:

December 6, 2003

Applicant: Liming Tsau

Art Unit: 2823

Examiner:

K. Nguyen

Application No.: 09/753,664 Docket:

1875.0230000

Filed: January 4, 2001

For:

JDE Atty:

High Density Metal Capacitor Using Via Etched Stopping Layer as Field Dielectric in Dual-

Damascence Interconnect Process

When receipt stamp is placed hereon, the USPTO acknowledges receipt of the following documents:

- SKGF Cover Letter;
- Fee Transmittal;
- Credit Card Payment Form PTO-2038;
- Supplemental Information Disclosure Statement;
- Form PTO-1449 with four (4) accompanying documents; and
- Return postcard.



Mail Stop Issue Fee

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November 17, 2003

Writer's Direct Number: (202) 772-8645 Internet Address: iasone@skgf.com

Commissioner for Patents Mail Stop Issue Fee PO Box 1450 Alexandria, VA 22313-1450

Art Unit 2823

Re:

U.S. Utility Patent Application

Appl. No. 09/753,664; Filed: January 4, 2001

For: High Density Metal Capacitor Using Via Etched Stopping Layer as Field

Dielectric in Dual-Damascence Interconnect Process

Inventor:

Liming Tsau

Our Ref:

1875.0230000

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Fee Transmittal;
- 2. Credit Card Payment Form PTO-2038;
- 3. Supplemental Information Disclosure Statement;
- 4. Form PTO-1449 with four (4) accompanying documents; and
- 5. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

202 371 2540 P. 04
Print and Trademark Office: U.S. DEPARTMENT OF COMMERCE 14

SUBTOTAL (3) (\$)180.00

Under the Pap, Reduction Act of 1995, r	s are regul	ned to n	eapond id	o a coli of information unless it displays a valid OMI Complete if Known	coupol timpe		
COPTRANSMITTAL for FY 2004		Application Number		mber	09/753,664		
for FY 2004		Filing Date			January 4, 2001		
Effective 10/01/2003. Petent fees are subject to annual revision.		First Named Inventor					
		Francis No.			Liming Tsau		
☐ Applicant claims small entity status. See 37 CFR 1.27			r. ngayan				
TOTAL AMOUNT OF PAYMENT (\$)180.00		2023				· — — — -	
METHOD OF PAYMENT (check all that apply)		1079.020000					
Check Credit card Money Order Other Mone Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.		FEE CALCULATION (continued) 3. ADDITIONAL FEES					
		Large Entity Small Entity					
Deposit Account Deposit Account Number 19-0036	Code Code	For For (\$) Co	E Fa(de (\$)	•	Fee Description	Fos Pald	
Deposit Account Name: Sterne, Kesster, Goldstein & Fox P.L.L.C.	1051	130	2061	.65	Surcharge - late filing fee or cath		
The Commissioner is authorized to: (check all that apply)	1502	50	2052	25	Surcharge-late provisional filing fee or cover sheet		
☐ Charge fee(s) indicated below ☐ Credit any over payments	1053	130	1053	130	Non-English specification	}	
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2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from	1502	480	2502	240	Design issue fee		
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Large Entity:Small Entity	1806	180	180 8	180	Submission of Information Disclosure Stml	180.00	
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1201 86 2201 43 Independent claims in excess of 3	1810	770	2810	385	1.128(a)) For each additional invention to be examined		
1203 290 2203 145 Multiple dependent claim, if not paid 1204 86 2204 43 **Reissue independent claims					(37 CFR 1.129(b))]	
over original patent	1801	770	2801	385	Request for Continued Examination (RCE)		
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and over original patent	Other	fee (spe	∎ clfy)		***		
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SUBMITTED BY Complete (il applicable) Registration No. (Attorney/Agent) Name (Print/Type) Janon D. Elsenberg 43,447 202-371-2600 Telephone

"or number previously peid, If greater; For Rolssue, see above

Signature Date

Reduced by Basic Filing Fee Paid



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Liming TSAU

Appl. No. 09/753,664

Filed: January 4, 2001

For:

High Density Metal Capacitor

Using Via Etched Stopping Layer

as Field Dielectric in Dual-

Damascence Interconnect Process

Confirmation No. 1902

Art Unit: 2823

Examiner: K. Nguyen

Atty. Docket: 1875.0230000

Supplemental Information Disclosure Statement

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not

be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicants have checked the appropriate boxes below.

- Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- □ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed within three months of the date of filing of a national application other than a continued prosecution application (CPA), OR within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, OR before the mailing date of a first Office Action on the merits OR before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- □ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
 - □ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was

1.

first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- □ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- C. Attached is our PTO-2038 Credit Card Payment Form [OR] Check No.
 ______ in the amount of \$ _____ in payment of the fee under 37
 C.F.R. § 1.17(p).
- Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Attached is our PTO-2038 Credit Card Payment Form [OR] Check No. ______ in the amount of \$ 180.00 in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
 - Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
 - □ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more

-4-

Liming TSAU Appl. No. 09/753,664

than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

- **2** 5. The documents were cited in a search report by a foreign patent office in a counterpart foreign application. A copy of the search report is attached as document ARI on the enclosed Form PTO-1449.
- □ 6. A concise explanation of the relevance of the non-English language document(s) appears below:
- Copies of the documents were cited by or submitted to the Office in an IDS that □ 7. complies with 37 C.F.R. § 1.98(a)-(c) in Application No._____, filed ___ which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jason D. Eisenberg

Attorney for Applicant

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